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A51 11/13/07**Claims:**

1. An antenna arrangement having a flat dipole which is preferably arranged on a substrate (7), having the following features:

- the end areas (9) (which point towards one another) of the dipole halves (1') are each electrically connected to their own connecting line (49a, 49b),
- 10 - the connecting lines (49a, 49b) lead to two amplifiers (53a, 53b),
- the outputs of the two amplifiers (53a, 53b) are connected to the two inputs of a transformer (55), whose output is at least indirectly electrically
- 15 connected to a connection (61), preferably to a coaxial connection (61),

characterized by the following further features:

- one or more filters (51, 57, 59) is or are provided,
- 20 - the filters (51, 57, 59) are arranged between the connecting lines (49a, 49b) and the connecting point (61),
- the filter or filters (51, 57, 59) is or are provided for suppression of mobile radio frequency ranges and/or as protection for broadcast radio
- 25 signals, and
- the connecting lines (49a, 49b) preferably each have at least one respective capacitance (71a, 71b), and/or the end areas (9) of the dipole
- 30 halves (1') are preferably connected to the respective downstream amplifier (53a, 53b) via a capacitive coupling (71a, 71b).

2. The antenna arrangement as claimed in claim 1, characterized in that the connecting lines (49a, 49b) are connected to one another via a connection line (41), to be precise with a high-pass filter (52) connected between them.

3. The antenna arrangement as claimed in one of claims 1 or 2, **characterized in that** a low-pass filter (57), in particular in order to suppress cellular telephone frequencies, is connected between the two amplifiers (53a, 53b) in the path to the connection (61).

4. The antenna arrangement as claimed in one of claims 1 to 3, **characterized in that** a bandstop filter (59) is connected between the outputs of the two amplifiers (53a, 53b) and a connecting point (61), with the bandstop filter (59) preferably being connected downstream from the low-pass filter (57).

5. The antenna arrangement as claimed in claim 3 or 4, **characterized in that** the low-pass filter (57) and/or the bandstop filter (59) are/is provided downstream from the transformer (55) and upstream of the connecting point (61).

6. The antenna arrangement as claimed in one of claims 1 to 5, **characterized in that** the end areas (9) (which point towards one another) of the dipole halves (1') are each electrically connected as directly as possible to a respective amplifier (53a, 53b).

7. The antenna arrangement as claimed in one of claims 1 to 6, **characterized in that** the connecting lines (49a, 49b) between the end areas (9) of the dipole halves (1') and the downstream amplifiers (53a, 53b) have a length which is in the range from 0.2 cm to 3 cm, in particular between 0.5 cm and 1.5 cm.

8. The antenna arrangement as claimed in one of claims 1 to 7, **characterized in that** the transformer comprises or has a Guanella transformer.

9. The antenna arrangement as claimed in one of claims 1 to 8, **characterized in that** a high-pass filter (52) is connected between the connecting lines (49a, 49b) and/or between the end areas (9) of the dipole halves (1').

10. The antenna arrangement as claimed in claim 9, **characterized in that** the high-pass filter (52) is connected between the two connecting lines (49a, 49b), and/or the end area (9) of the dipole halves (1') but still upstream of the respective capacitance (71a, 71b).

11. The antenna arrangement as claimed in claim 9, **characterized in that** the high-pass filter (52) is connected between the two connecting lines (49a, 49b), to be precise between the respective path sections of the connecting lines (49a, 49b) which are located between the output of the respective capacitance (71a, 71b) and the respective downstream amplifier (53a, 53b).